



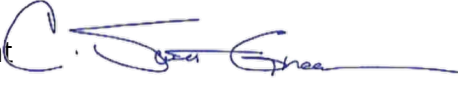
OFFICE OF THE PRESIDENT  
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DATE: April 20, 2021

TO: Francesca Sammarruca, Faculty Secretary  
Barbara Kirchmeier, Faculty Senate Chair

CC: Diane Whitney, University Policy and Compliance Coordinator

FROM: C. Scott Green, President 

SUBJECT: General Policy Report #70

In response to your e-mail of April 20, 2021, and pursuant to *Faculty-Staff Handbook* (FSH) section 1420, I hereby approve the items presented in the policy report attached to your memo as follows:

**APPROVED WITHOUT COMMENT:**

- Master of Arts. Major in Anthropology (Katrina Eichner)
- Master of Science. Major in Cybersecurity (John Crepeau)

GENERAL POLICY REPORT #70  
March 30, 2021

The items listed below were approved by Faculty Senate on March 23, 2021, and, pursuant to [FSH 1540 C](#), will be considered to have the necessary faculty approvals unless a petition requesting further consideration of these items is signed by five faculty members and submitted to the chair of the Faculty Senate by the end of the day on April 13, 2021. If no petition is received by the deadline, this report will be submitted to the president for approval and, if required, transmittal to the Board of Regents.

If a petition is received by the deadline, the items for which further consideration is requested will be referred to Faculty Senate, and the remainder of the report will move forward. On referred items, Faculty Senate may: (1) affirm the action and report it to a meeting of the university faculty, (2) amend the action and report it to a meeting of the university faculty, or (3) rescind the action. If the petition concerns courses or curricula in CLASS or CALS, and is signed by five faculty members of the respective college, the items for which further consideration is requested will be returned to the college.

- Master of Arts. Major in Anthropology (Katrina Eichner) Attach. #3
- Master of Science. Major in Cybersecurity (John Crepeau) Attach. #4

Questions can be directed to Francesca Sammarucca, Faculty Secretary, at [fsammarr@uidaho.edu](mailto:fsammarr@uidaho.edu), or Barb Kirchmeier, Faculty Senate Chair, at [barbara@uidaho.edu](mailto:barbara@uidaho.edu).



## Attachment 3

### Faculty Contact

Faculty Name	Faculty Email
Brian Wolf	<a href="mailto:bwolf@uidaho.edu">bwolf@uidaho.edu</a>

### Change Type

Change academic component name (degree, major, option, emphasis, minor, concentration, or specialization)

### Description of Change

Break into thesis and non-thesis options, plus other changes to curricular requirements

### Academic Level

Graduate

### College

Letters Arts & Social Sciences

### Department/Unit:

Sociology & Anthropology

### Effective Catalog Year

2021-2022

### Program Title

Anthropology (MA)

Program Credits

**30**

CIP Code

45.0201 - Anthropology.

Emphasis/Option CIP Code(s)

## **Master of Arts. Major in Anthropology.**

Candidates must fulfill the requirements of the College of Graduate Studies and of the Department of Sociology & Anthropology. See the [College of Graduate Studies](#) section for the general requirements applicable to each M.A. degree.

~~Thesis Option.~~ Course work will include either 30 credits plus a foreign language proficiency examination or 36 credits and no foreign language requirement.

Students who did not take at least one course in cultural anthropology, biological anthropology, ~~each of the four sub-fields of anthropology~~ and archaeology and at least one a course in qualitative or quantitative social science methodologies ~~statistics~~ as an undergraduate ~~undergraduates~~ will be asked to do so (in consultation with an ~~an~~ advisor) at the ~~at the~~ beginning of their graduate programs. No graduate credit will be awarded for courses taken to satisfy such deficiencies.

~~Graduate students must demonstrate competence in each of the four sub-fields of anthropology. The thesis option M.A. core along with the expected undergraduate preparation (or courses taken as deficiencies as a graduate student) are designed for this purpose. Thesis students complete the core courses, supporting fields electives, the anthropology electives, and the thesis credits. Both the 30- and 36-credit M.A. program must include at least 6 but no more than 10 thesis credits, although more than 10 credits of ANTH 500 may be taken. A~~

~~minimum of 18 credits must be at the 500-level.~~ A minimum of 18 credits Anthropology courses must be at the 500-level. Anthropology courses 400- or 500-level (cross-listed 400-level/500-level courses must be taken at the 400- or 500-level (cross-listed courses 400-level/500-level 500-level), while supporting courses must be taken at the 500-level), while supporting courses can include 300-level. No more than 12 credits can be transferred from other institutions and an official copy of the student's transcripts from each institution must be on file in the Registrar's Office. Such institutions must have a graduate program and the work must have been taken for graduate credit.

~~Note:~~ Students who have already received credit for any core course or an equivalent will not need to retake the course it, but will substitute appropriate courses with approval from their advisor.

### Thesis Option

Thesis ~~Graduate~~ students must demonstrate competence in ~~each of the four subfields of sub-fields of~~ anthropology. The thesis option M.A. core courses along with the expected undergraduate preparation (or courses ~~courses~~ taken as deficiencies as a graduate student) are designed for this purpose.

Thesis students complete the core courses, supporting fields and ~~electives, the~~ anthropology electives, and ~~and the~~ thesis credits.

Code	Title	Hours
ANTH 500	Master's Research and Thesis	6-10
ANTH 511	Human Evolution	3
ANTH 521	Contemporary Issues in Anthropological Theory	3
ANTH 570	(s) Materiality and Human Cult	3
ANTH 571	(s) Cultural Complexity	3

Code	Title	Hours
ANTH 572	(s) Topics in Biological Anthr	3
Select one History and Theory course from the following:		3
ANTH 420	Anthropological History and Theory	
ANTH 530	Arch History, Ethics, Theory	
ANTH 516	Qualitative Social Sci Methods	3
or ANTH 517	Social Data Analysis	

Select up to 6 credits of electives in supporting fields 0-6

Select up to 9 credits of electives in anthropology or supporting fields in consultation with graduate committee chair. At least 3 credits must be 400-500 level Anthropology courses. 3-9

Course List

Note: ~~Non-thesis option.~~ Course work will include either 30 credits plus a foreign language proficiency examination or 36 credits and no foreign language requirement.

**Non-thesis option.**

~~Students who did not take at least one course in cultural anthropology, archaeology, and physical anthropology and a course in statistics as undergraduates will be required to do so in consultation with an advisor at the beginning of their graduate programs. In general, no graduate credit will be awarded for courses taken to satisfy such deficiencies.~~ Non-thesis students complete the core courses, a field school or internship, supporting fields electives, anthropology electives, non-thesis credits, and select one sub-field emphasis.

Code	Title	Hours
ANTH 521	Contemporary Issues in Anthropological Theory	3
ANTH 599	Non-thesis Master's Research	1-5
Select up to 6 credits of electives in supporting fields		0-6
ANTH 516	Qualitative Social Sci Methods	3

Code	Title	Hours
or ANTH 517	Social Data Analysis	
Select up to 6 credits in Field School or Internship:		0-6
Select one History and Theory course from the following:		3
ANTH 532	Historical Artifact Analysis	
ANTH 549	Lithic Technology	
<b>Cultural Anthropology</b>		
ANTH 528	Social and Political Organization	
ANTH 562	Human Issues in International Development	
ANTH 420	Anthropological History and Theory	
ANTH 530	Arch History, Ethics, Theory	
Select one Graduate Seminar from the following:		3
ANTH 570	(s) Materiality and Human Cult	
ANTH 571	(s) Cultural Complexity	
ANTH 572	(s) Topics in Biological Anthr	
Select up to 6 credits in Field School or Internship: <sup>1</sup>		1-6
ANTH 509	Anthropological Field Methods	
ANTH 598	Internship	
<b>Non-Thesis Subfield</b>		
Select one non-thesis Subfield:		6
<b>Physical Anthropology</b>		
ANTH 511	Human Evolution	
ANTH 512	Human Variation	
<b>Archaeology</b>		
Select up to 15 credits in non-thesis subfield emphasis or supporting fields in consultation with graduate committee chair. At least 6 credits must be 400- to 500-level Anthropology courses.		9-15
Course List		



Note: Course work will include either 30 credits plus a foreign language proficiency examination or 36 credits and no foreign language requirement.

<sup>1</sup> Although students can fulfill their field methods and internship requirement through the University of Idaho, it can also be fulfilled by attending an anthropological or archaeological field school from a fellow institution.

~~A minimum of 18 credits must be at the 500-level. Anthropology courses must be at 400- or 500-levels (cross-listed 400-level/500-level courses must be taken at the 500-level), while supporting courses can include 300-level. No more than 12 credits can be transferred from other institutions and an official copy of the student's transcripts from each institution must be on file in the Registrar's Office. Such institutions must have a graduate program and the work must have been taken for graduate credit. Note: Students who have already received credit for any core course or an equivalent, except for the field school or internship, will not need to retake it, but will substitute appropriate courses with approval from their advisor.~~

## Distance Education Availability

*To comply with the requirements of the Idaho State Board of Education (SBOE) and the Northwest Commission on Colleges and Universities (NWCCU) the University of Idaho must declare whether 50% or more of the curricular requirements of a program which may be completed via distance education.*

Can 50% or more of the curricular requirements of this program be completed via distance education?

No

*Note: Existing programs transitioning from less than 50% of its curricular requirements to 50% or more of its requirements being available via distance education is considered a Group C change and must complete the program proposal formwork before these changes will be processed.*

## Geographical Area Availability

Identify the geographical area(s) this program can be completed in:

Coeur d'Alene

Moscow

## Student Learning Outcomes

Have learning outcomes changed?

No Change

Learning Objectives

Rationale for the proposed change. Include an explanation of how the department will manage the added workload, if any.

The main change to the M.A. degree requirements include the introduction of three graduate-only seminar classes (focused in the archaeology, biological anthropology, and cultural anthropology subfields) which, in conjunction with ANTH 521, will be offered on a rotating basis each semester over a two year period. These graduate-only courses are meant to help form a research cohort among the Anthropology M.A. students. Moreover, they allow our faculty to teach full enrollment courses for instructional credit; previously these kinds of classes were offered as ANTH 504 Special Topics and were an overload to the faculty member's schedules. When mapping out a four-year schedule for all of the faculty in the program, it was clear that we could easily cover the three new courses by offering some of our lower enrollment undergraduate classes on a biannual basis.

We believe that students starting a graduate program should be previously versed in the four fields of anthropology and should have taken a social science methodology class prior to starting graduate school. In reality, most of our students have already fulfilled these requirements with previous coursework. Thus, faculty in the department realized that we were submitting a high amount of sub-waiver forms for a number of classes - particularly ANTH 516/ANTH 517 and ANTH 511. As such, we are removing the classes from the requirements outside of their role as prerequisites for the outlined program.

For our theory requirement, we are allowing students to take a theory class in the subdiscipline that best aligns with their interest, thus allow for specialization within a broader four-field focus.

Additionally, for the M.A. non-thesis option, we fixed a typo that allowed M.A. students to avoid completing a field school or internship requirement.

Our elective language has been clarified to allow better direction for our students in planning their schedules. We wanted it to be clear that most of the students' core coursework should be taken in the field of anthropology, however leaving an opportunity for students to take classes in outside fields when relevant to their topic of focus.

Finally, along with clarifying repetitive language that affects both the thesis and non-thesis degree paths, we also fixed the range of degree credits required for both programs. We thought it was necessary to give students a clear path to fulfilling their 30 or 36 credit requirement with coursework relevant to the discipline.

The program will continue to be assessed using existing Anthropology protocols.

Supporting Documents

Reviewer Comments

**Amy Kingston (amykingston) (12/09/20 11:41 pm):** Rollback: Holding for future agenda and

## ATTACHMENT 4

### In Workflow

1. **131 Chair**
2. **08 Curriculum Committee Chair**
3. **08 Dean**
4. **Provost's Office**
5. **Graduate Council Chair**
6. **Registrar's Office**
7. **Curriculum Review**
8. **Assessment**
9. **Daniel Conte de Leon**
10. **UCC**
11. Faculty Senate Chair
12. UFM
13. President's Office
14. State Approval
15. NWCCU

### Approval Path

1. Wed, 21 Oct 2020 23:37:01 GMT  
Joana Espinoza (jespinoza): Approved for 131 Chair
2. Wed, 21 Oct 2020 23:37:20 GMT  
Joana Espinoza (jespinoza): Approved for 08 Curriculum Committee Chair
3. Wed, 21 Oct 2020 23:37:37 GMT  
Joana Espinoza (jespinoza): Approved for 08 Dean
4. Wed, 21 Oct 2020 23:38:32 GMT  
Joana Espinoza (jespinoza): Rollback to 131 Chair for Provost's Office
5. Tue, 27 Oct 2020 21:05:44 GMT  
Terence Soule (tsoule): Approved for 131 Chair
6. Mon, 02 Nov 2020 18:40:56 GMT  
John Crepeau (crepeau): Approved for 08 Curriculum Committee Chair
7. Wed, 04 Nov 2020 16:41:31 GMT  
Larry Stauffer (stauffer): Approved for 08 Dean
8. Thu, 05 Nov 2020 19:02:53 GMT  
Joana Espinoza (jespinoza): Approved for Provost's Office
9. Fri, 13 Nov 2020 17:21:43 GMT  
Lauren Perkinson (perkinson): Approved for Graduate Council Chair
10. Wed, 03 Feb 2021 18:43:38 GMT  
Amy Kingston (amykingston): Approved for Registrar's Office

11. Thu, 04 Feb 2021 02:07:07 GMT  
Rebecca Frost (rfrost): Approved for Curriculum Review
12. Wed, 10 Feb 2021 23:47:31 GMT  
Sara Mahuron (sara): Approved for Assessment
13. Tue, 02 Mar 2021 08:10:46 GMT  
Daniel Conte de Leon (dcontedeleon): Approved for V00722133

## New Program Proposal

Date Submitted: Wed, 21 Oct 2020 23:30:34 GMT

Viewing: **430 : Cybersecurity (MS)**

Last edit: Tue, 02 Mar 2021 08:01:08 GMT

Changes proposed by: Joana Espinoza (V00370901)

### Faculty Contact

Faculty Name	Faculty Email
Larry Stauffer	stauffer@uidaho.edu

### Academic Level

Graduate

### College

Engineering

### Department/Unit:

Computer Science

### Effective Catalog Year

2022-2023

### Program Title

Cybersecurity (MS)

### Degree Type

Major

*Please note: Majors and Certificates over 30 credits need to have a state form approved before the program can be created in Curriculum.*

### Program Credits

30

### Attach Program Change

Proposal-MS-Cybersecurity-v050\_ChersEdits\_corrected.doc  
Proposal-MS-Cybersecurity-Budget-Form.xlsx

**CIP Code**

11.1003 - Computer and Information Systems Security/Information Assurance.

**Emphasis/Option CIP Code(s)**

**Will the program be Self-Support?**

No

**Will the program have a Professional Fee?**

No

**Will the program have an Online Program Fee?**

No

**Will program be Regional or Statewide Responsibility?**

Regional

**Financial Information**

**What is the financial impact of the request?**

Less than \$250,000 per FY

**Note: If financial impact is greater than \$250,000, you must complete a Program Proposal Form**

**Discribe the financial impact**

Communication expenses are for advertising the program. These will come from CS funds, F&A returns, EO, etc. Renewing client machines in the computer labs, covered by lab fees. Initially the bulk of the lab fees will come from CS (non-CYB) students using the labs. Some grant funds are available. No travel.

**Curriculum:**

## Master of Science. Major in Cybersecurity

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Required Courses (both thesis and non-thesis tracks)

Course List		
Code	Title	Hours
<u>CYB 501</u>	(s) Cybersecurity Graduate Sem (1 credit taken three times.)	3
<u>CYB 507</u>	Course CYB 507 Not Found	3
<u>CYB 536</u>	Course CYB 536 Not Found	3
<u>CYB 540</u>	Advanced Networking & Security	3
<u>CYB 547</u>	Course CYB 547 Not Found	3
Total Hours		15

## Non-Thesis Track

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The Master of Science in Cybersecurity degree, non-thesis track, requires the completion of 15 credits of required courses as listed above plus 15 credits of electives and Non-thesis Master's Research. M.S. Cybersecurity non-thesis track students must complete a research project with the direction and advise of their major professor.

Course List		
Code	Title	Hours
<u>CYB 599</u>	Non-thesis Master's Research	5
Electives as agreed with Advisor		10
Total Hours		15

**Courses to total 30 credits for degree**

## Thesis Track

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The Master of Science in Cybersecurity degree, thesis track, requires the completion of 15 credits of required courses as listed above plus 15 credits of electives and Master's Research and Thesis. M.S. Cybersecurity thesis track students must complete and defend a thesis with the direction and advise of their major professor and graduate committee.

Course List		
Code	Title	Hours
<u>CYB 500</u>	Master's Research and Thesis	6-9
Electives as agreed with Advisor		6-9
Total Hours		12-18

**Courses and thesis or research project to total 30 credits for this degree.**

## Distance Education Availability

*To comply with the requirements of the Idaho State Board of Education (SBOE) and the Northwest Commission on Colleges and Universities (NWCCU) the University of Idaho must declare whether 50% or more of the curricular requirements of a program which may be completed via distance education.*

**Can 50% or more of the curricular requirements of this program be completed via distance education?**

Yes

**If Yes, can 100% of the curricular requirements of this program be completed via distance education?**

Yes

*Note: Existing programs transitioning from less than 50% of its curricular requirements to 50% or more of its requirements being available via distance education is considered a Group C change and must complete the program proposal formwork before these changes will be processed.*

## Geographical Area Availability

**Identify the geographical area(s) this program can be completed in:**

Coeur d'Alene  
Idaho Falls  
Moscow

## Student Learning Outcomes

**List the intended learning outcomes for program component. Use learner centered statements that indicate what will students know, be able to do, and value or appreciate as a result of completing the program.**

Graduates of the program will have an ability to:

1. Ability to clearly present, in oral form, research results and the broader implications of that research for both the field of cybersecurity and for society.
2. Ability to clearly present, in written form, research results and the broader implications of that research for both the field of cybersecurity and for society.
3. Ability to do original research in cybersecurity and to appropriately and accurately analyze the results.

4. Demonstrate in-depth knowledge of cybersecurity and the ability to apply that knowledge, integrating and building upon the foundation provided by a relevant undergraduate degree.

5. Demonstrate an understanding of the broader implications of research for cybersecurity and for society.

**Describe the assessment process that will be used to evaluate how well students are achieving the intended learning outcomes of the program component.**

There are three main methods by which student outcomes are assessed, divided into direct and indirect measures:

1. Student Work from: CYB 536 Advanced Information Assurance, CYB 540 Advanced Networking and Security, and CYB 520 Digital Forensics. Direct measure of knowledge of content material and skills.

2. Student Work from: CYB 501 Cybersecurity Graduate Seminar. Direct measure of knowledge of the societal impact of cybersecurity and professional ethics.

3. Rubrics completed by each students' major professor and/or committee members at the time of their project presentation or thesis defense.

Each of these measures are described in more detail below. Faculty review and discussion of these measures is a critical part of the overall assessment process and faculty input is included in the analysis of the measures. Faculty review takes place during department meetings in the spring semester and during the department retreat every fall.

**How will you ensure that the assessment findings will be used to improve the program?**

We will use a combination of the same general assessment processes currently used by the Computer Science Department for its BS, MS, and PhD degrees in Computer Science. In particular we will use the graduate rubrics used as part of the CS MS and PhD degrees, and the coursework assessment template from the BS degree. The BS in CS degree has been accredited since 1993, first by the CS Accreditation Board (CSAB) and then by ABET, which replaced CSAB.

**What direct and indirect measures will be used to assess student learning?**

We will use a combination of the same direct and indirect measures currently used by the Computer Science Department for its MS, and PhD degrees in Computer Science. Specifically an assessment rubric that is completed at the time of each student's final presentation/defense and a coursework assessment for the courses CYB 520, CYB 536, and CYB 540.



## **When will assessment activities occur and at what frequency?**

All committee members will complete an assessment rubric at the time of an MS students' final presentation/defense.

Instructors teaching the courses CYB 520, CYB 536, and CYB 540 will assess student learning outcomes at least once per year when these courses are taught.

## **Student Learning Outcomes**

### **Learning Objectives**

Graduates of the program will be able to use both their knowledge of cybersecurity and their communication and research skills to advance the field of cybersecurity and to apply cybersecurity in ways that benefit society.

### **Rationale for the proposed change. Include an explanation of how the department will manage the added workload, if any.**

Since 1991, the Department of Computer Science has offered a variety of Cyber Security courses as technical electives in our undergraduate degree program. In 1999 the University of Idaho was designated a National Center of Academic Excellence (CAE) in Information Assurance Education by the National Security Agency (at the time, Information Assurance was the US Government term for Cybersecurity). We were one of the first seven universities in the nation to receive this designation, and we have maintained it every renewal cycle.

In the past few years, the CAE certification process has become more prescriptive, requiring more precise course content and a dedicated degree path forward for Cybersecurity students. ABET (the Engineering accreditation board) now accredits cybersecurity degree programs. Also, the US Government has adopted the NIST Cybersecurity Workforce Framework – a catalog of job duties along with knowledge, skills, and abilities for those jobs, for a wide range of cybersecurity careers.

This growth of standardized program content, along with the tremendous growth in job opportunities for our graduates, has led to the conclusion that we need to establish dedicated degree paths in cybersecurity. This degree will be focused on advanced cybersecurity concepts, building on the content of an undergraduate cybersecurity degree. Because currently undergraduate degrees in cybersecurity are rare, we are including a 'leveling' course in the program for students with a related, but non-cybersecurity degree.

### **Supporting Documents**

#### **Reviewer Comments**

**Joana Espinoza (jespinoza) (Wed, 21 Oct 2020 23:36:48 GMT):** Paperwork says roll out is 2021-22 but we may not make that date due to this needing a full board review. Change date to 2022-23.

**Joana Espinoza (jespinoza) (Wed, 21 Oct 2020 23:38:32 GMT):** Rollback: Terry I'm sorry to send this back but the CIM form asks some additional questions about learning outcomes that the state form does not. We need that information for our catalog and our accreditation system. Can you fill them out please?

**Terence Soule (tsoule) (Tue, 27 Oct 2020 21:05:22 GMT):** Effective catalog year is a drop down menu that doesn't include 2022-2023, so I can't make that change.

**Rebecca Frost (rfrost) (Thu, 04 Feb 2021 02:07:03 GMT):** CYB 540 does not exist and was not submitted with other new course requests. Explanation in the submission paperwork shows that this is equivalent to CS 538, so this course has been included. CYB 540 paperwork will need to be submitted but the proposal can move forward with the CS 538 class. All other courses that did not previously exist were submitted with the proposal.

**Sara Mahuron (sara) (Wed, 10 Feb 2021 23:47:22 GMT):** grammatical correction

**Daniel Conte de Leon (dcontedeleon) (Tue, 02 Mar 2021 08:01:08 GMT):** The CYB 507, CYB 536, and CYB 547 courses appear listed above as "Course Not Found". These courses are being requested as new courses and are currently in the review and approval process. Once these courses have been approved, the catalog management system is expected to automatically change the status of the corresponding course forms as complete and populate the corresponding course title.